

Material Safety Data Sheet

PCR PC Regranulate Blue Color

Product Code: 000618

IDENTIFICATION OF THE SUBSTANCE	
Substance or preparation trade name	Recycled PC (Polycarbonate)
Synonyms	Recycled Polycarbonate (r-Pc)

COMPOSITION	
Substance	100% PC (Polycarbonate)
CAS Number	25037-45-0
Classification	N/A
EINECS	N/A

HAZARD IDENTIFICATION	
Hazards Overview	<p>Spilled pellets create slipping hazard. Pellets can burn in a fire creating dense toxic smoke.</p> <p>Molten plastic can cause severe thermal burns. Fumes produced during melt processing may cause eye, skin and respiratory tract irritation.</p> <p>Secondary operations such as grinding, sanding or sawing can produce dust which may present a respiratory hazard.</p> <p>Product in pellet form is unlikely to cause irritation.</p>
MELT PROCESSING Hazards	<p>Molten plastic can cause severe burns. Processing fumes may cause irritation to eyes, skin and respiratory tract and in cases of severe overexposure nausea and headache.</p> <p>There are no known medical conditions that are aggravated by exposure to this product; however certain sensitive individuals and those with respiratory impairments may be affected by exposure to the processing fumes.</p>

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FIRST AID MEASURES

Skin Contact	The product is not likely to be hazardous by skin contact, but maintaining good hygiene practices is advised, cleanse after contact. If molten polymer gets on skin cool rapidly with cold water and DO NOT attempt to peel polymer from skin. Obtain medical treatment for thermal burn.
Eye Contact	Immediately flood the eye with plenty of water for at least 10 minutes holding the eye open. Obtain medical advice if soreness or redness persists.
Ingestion	No specific intervention is required as the compound is not likely to be hazardous by ingestion. Seek medical advice if necessary.
Fume	For processing fume inhalation irritation, leave the contaminated area and breathe fresh air. If coughing or other symptoms develop seek medical attention at once. For skin contact with fume condensate, wash affected area with soap and water. If irritation develops seek medical attention.

FIRE FIGHTING MEASURES

Suitable extinguishing media	Water, AFFF (foam), Dry powder, CO2
Unsuitable extinguishing media	None
Special hazards in fire	Gases and vapours are produced: ammonia, carbon monoxide, hydrogen cyanide and aldehydes.
Required special protective equipment for fire-fighters	Wear full protective clothing and self-contained breathing apparatus.

ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate protective clothing.
Environmental Precautions	Contain the spill and protect drains and other watercourses.
Method for cleaning	Pick up spillages with scoop and brush.

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HANDLING AND STORAGE	
Handling	No Special handling required
Storage	Store in original containers, keep dry
CAUTION	Polyethylene pellets on floors are slippery and may create a slipping hazard

EXPOSURE CONTROLS	
Engineering measures	Use local exhaust ventilation to control fumes from hot processing
Control Measures	Not applicable
Personal Protection Equipment	If there is potential for contact with molten material, wear heat resistant gloves, clothing and footwear
Eye protection	Wear safety goggles or splash goggles and face shield if the potential exists for contact with molten material
Hand protection	If there is potential for contact with molten material, wear heat resistant gloves
Hygiene measures	Wash hand after use

PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Solid (flake, crumb or pellet)
Odour	Odourless
pH	Not applicable
Boiling point	Not determined
Melting point	100-110°C
Flashpoint	N/A
Explosive properties	Not applicable
Vapour pressure	Not applicable

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Relative density	1.20 g/cm ³
Solubility	Insoluble in water and in fats

STABILITY AND REACTIVITY

Conditions to avoid	Exposure to flame or temperatures >299 °C for prolonged periods of time.
Materials to avoid	Not applicable
Hazardous decomposition products	Hazardous gasses or vapours can be released including cyclopentanone, carbon monoxide, aldehydes and ammonia.

TOXICOLOGICAL INFORMATION

Acute toxicity	No toxicological data is available.
Local effects	Excessive exposure may affect human health as follows. Skin contact: Irritation Eye contact: Irritation Inhalation /Ingestion: Irritation

ECOLOGICAL INFORMATION

Data	No data is available on the adverse effects of this product on the environment; Aquatic toxicity is low based upon insolubility with water.
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DISPOSAL CONSIDERATIONS

Disposal	Routes of disposal are (1) recycling, Incineration with energy recovery (2) and landfill (3). Recycling is the most appropriate route while the materials high calorific value makes option 2 desirable for material that cannot be recycled. Treatment, storage and disposal must always be carried out in accordance with local legislation.
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TRANSPORT INFORMATION

Land transport ADR/RID Class	Not classified as dangerous in the meaning of transport regulations.
Sea transport IMDG Class	Not classified as dangerous in the meaning of transport regulations.
Air transport ICAO/IATA Class	Not classified as dangerous in the meaning of transport regulations.

REGULATORY INFORMATION

EC Classification	Not classified as dangerous for supply/use.
Hazard Symbol	Not applicable.
Risk Phrases	Not applicable.
Safety Phrases	Not applicable.

OTHER INFORMATION

National regulations, other regulations, limitations and prohibitive regulations :

The information provided in this Material Safety Data Sheet has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty for specific product characteristics. SINOX takes no responsibility for inappropriate use, processing and handling by purchasers and users of the product. The data provided here is applicable only to the Product sold by SINOX and not to products sold by others. It relates only to the Product and does not relate to its use in combination with any other product or material or in any process. Local laws and regulations and conditions of use and suitability of the product for particular uses are beyond the control of SINOX; all risks of use, storage, handling, transportation and disposal of the Product are therefore assumed by the user and SINOX expressly disclaims all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the Product.

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SINOX shall not be responsible for any damage or injury resulting from abnormal use of the Product, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the Product. Appropriate warnings and safe handling procedures should be provided to all handlers and users.

